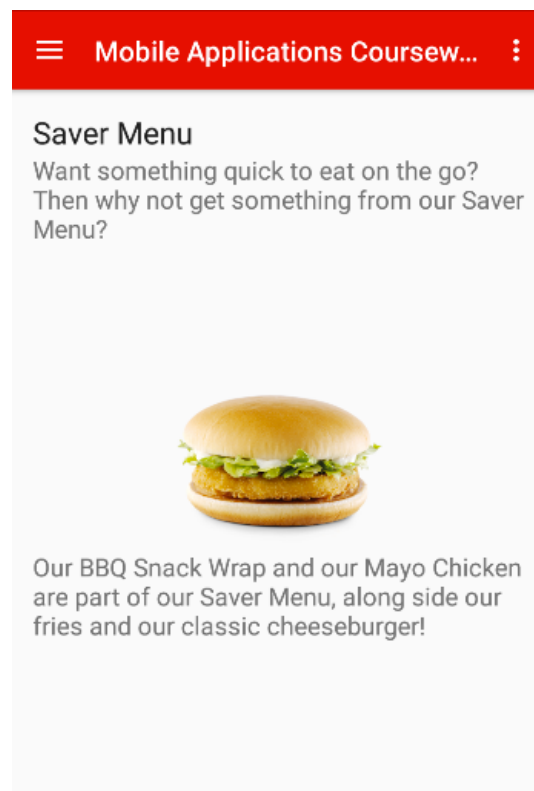# Mobile Applications Development Coursework – Report
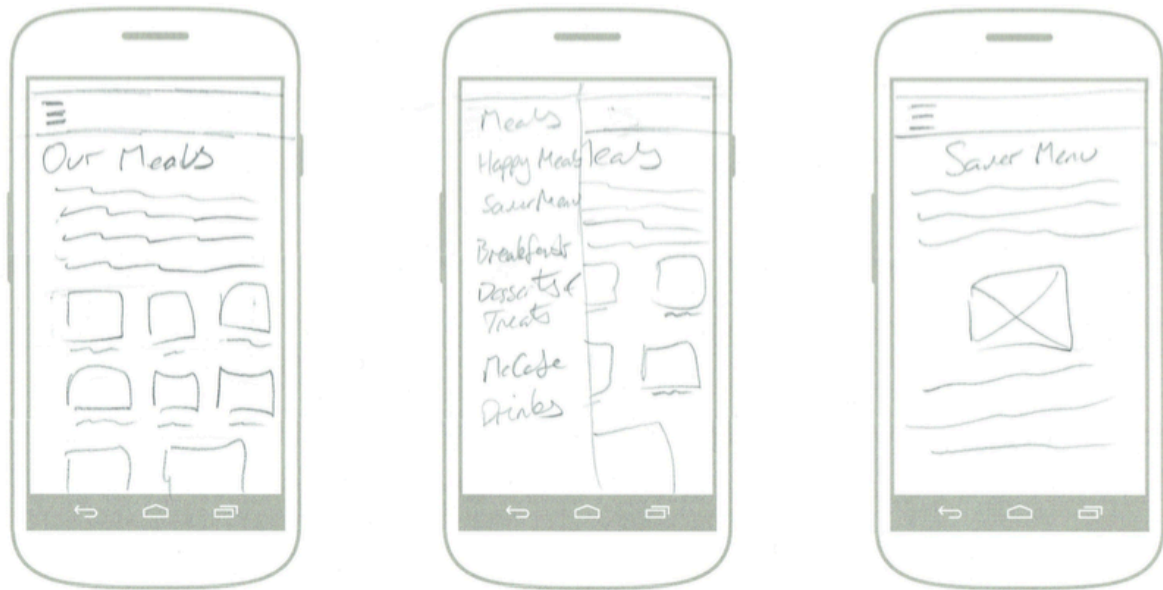
Introduction

For my application, I have decided to make an information app which provides details about the McDonald's menu. I have chosen to do my application on this as a lot of fast food restaurants have mobile applications and I wanted to have a go at seeing if I could get close to what they have created. McDonald's do already have a mobile application but this does not contain their menu. I chose McDonald's as my fast food restaurant as I work there and have good knowledge of their menu. Before designing and implementing my application, I used both Burger King and KFC's applications to get an idea of what I was wanting to do. I will discuss this in more detail in my evaluation.

Software Design and Implementation

Within the application, I used red for the action bar as this is on every page and I have chosen a red which is very close to the iconic McDonald's red.
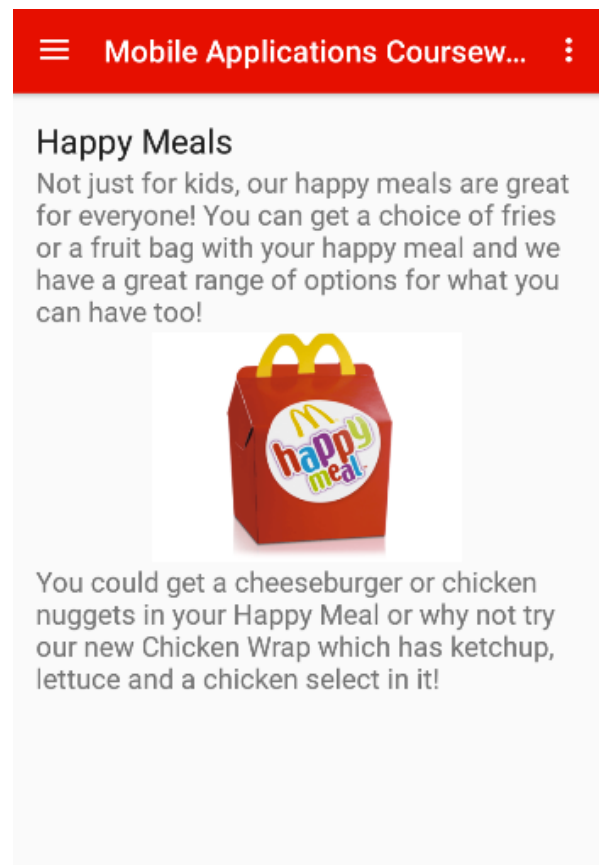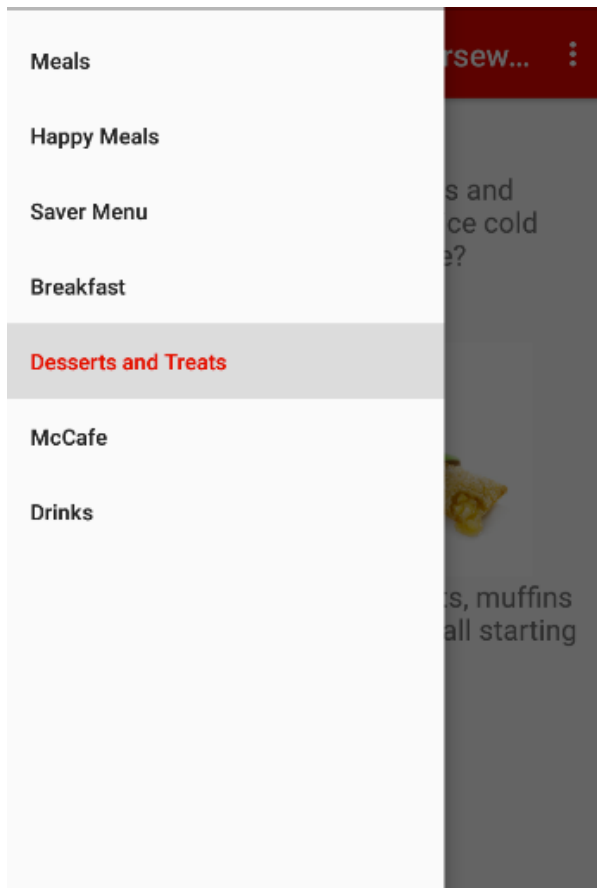

When designing my application, I made paper mock-ups of what I wanted a couple of the pages to look like and what I wanted the menu to look like. In my sketches, I made mock-ups for the 'Our Meals' and the 'Saver Menu' pages.
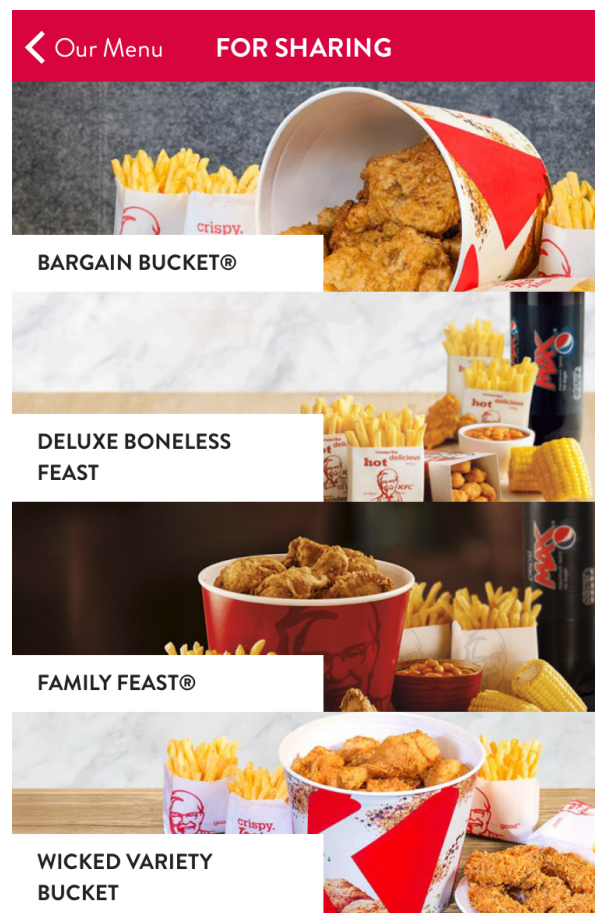
When implementing the application, I used fragments to allow the user to switch between pages. I made use of textviews and imageviews throughout the application in order to provide the user with information and images of items in the McDonald's menu. I also used the onCreate method in my fragments. This is required in order to display each pages layout.

Evaluation

I feel that I have made a good attempt at my application. It is similar to the idea I had in my head when I first came up with the idea and it contains seven pages detailing menu items from meals to drinks and everything inbetween.

As mentioned a the end of my introduction, I used both the Burger King and KFC mobile applications. Both applications are more visually appealling than my application, but that would be expected for an application being developed by such large companies. KFC also have their colour scheme related to their brand by having their red in their action bar. The Burger King application used browns and oranges which isn't very related to their brand.

I got some family members to evaluate my application and they said that the application was easy to used and simple to undestand. They did however feel that the application could have used more text and detail about menu items, such as price and nutrition information.

I think my application could have been better by adding more pages, such as a page for each menu item, which would have made it possible to add the price and nutrition information suggested by my family members. I also think that I should have had the McDonald's logo in the application but this slipped my mind when creating it.

Resources and References

To help me understand how to get the side menu working, I used a YouTube video made by Lars Kniep which is available here:
https://www.youtube.com/watch?v=tguOfRD8vYo

As mentioned, I also used the KFC and Burger King mobile applications which can be found in your phones app store.

Images for the application were found on Google and links for each image can be accessed below:
https://www.google.co.uk/url?sa=i&rct=j&q=&esrc=s&source=images&cd=&cad=rja&uact=8&ved=0ahUKEwih8M60t_PLAhXMcBoKHSjXA-EQjRwIBw&url=https%3A%2F%2Fmcdonalds.com.au%2Fmenu%2Fbig-mac&psig=AFQjCNFZkK-mwrMuL_0olZxEhfsUw3UJQQ&ust=1459806028502791

https://www.google.co.uk/url?sa=i&rct=j&q=&esrc=s&source=images&cd=&cad=rja&uact=8&ved=&url=http%3A%2F%2Fwww.mcdonalds.co.uk%2Fukhome%2Fproduct_nutrition.beef.35.quarter-pounder-with-cheese.html&bvm=bv.118443451,d.d2s&psig=AFQjCNH7cdLrY_J0NFY7CfsuIROT8_hf6A&ust=1459806069803629

https://www.google.co.uk/url?sa=i&rct=j&q=&esrc=s&source=images&cd=&cad=rja&uact=8&ved=&url=http%3A%2F%2Fwww.mcdonalds.ca%2Fca%2Fen%2Fmenu%2Ffull_menu%2Fchicken%2Fchicken_mcnuggets.html&bvm=bv.118443451,d.d2s&psig=AFQjCNE3z7hogp5pN_n8p1Z-h6CakenCyw&ust=1459806098360781

https://www.google.co.uk/url?sa=i&rct=j&q=&esrc=s&source=images&cd=&cad=rja&uact=8&ved=0ahUKEwiq5onct_PLAhVH2RoKHXAfCBoQjRwIBw&url=http%3A%2F%2Fwww.mcdonalds.co.uk%2Fukhome%2Fproduct_nutrition.chicken.34.mcchicken-sandwich.html&bvm=bv.118443451,d.d2s&psig=AFQjCNEwTKn9WoWDs1CL9h5nAcSAfh6wXA&ust=1459806120683423

https://www.google.co.uk/url?sa=i&rct=j&q=&esrc=s&source=images&cd=&cad=rja&uact=8&ved=0ahUKEwiaw-_kt_PLAhXB2RoKHRqnCdYQjRwIBw&url=http%3A%2F%2Fwww.mcdonalds.co.uk%2Fukhome%2Fproduct_nutrition.chicken.33.mayo-chicken.html&bvm=bv.118443451,d.d2s&psig=AFQjCNHZwlZmHSl1eU__M-2e2BzaiGdHDg&ust=1459806139220130

https://www.google.co.uk/url?sa=i&rct=j&q=&esrc=s&source=images&cd=&cad=rja&uact=8&ved=0ahUKEwjcw63tt_PLAhWG1BoKHanND0EQjRwIBw&url=http%3A%2F%2Fwww.mcdonalds.nl%2Fproducten%2Fhappy-meal%2Fhappy-meal&bvm=bv.118443451,d.d2s&psig=AFQjCNFs7Xn7LaYbrQ7w5e6q0gDeQ8JHCg&ust=1459806154975692

http://www.mcdonalds.co.uk/content/dam/McDonaldsUK/Promotions/2015/Chicken-Legend/December_2015/Chicken_Legend_Category.png

http://www.mcdonalds.co.uk/content/dam/McDonaldsUK/Food/Category/McD_Desserts%26Treats_Large_Header_v1.jpg

http://www.mcdonalds.co.uk/UKP/Promotions/2015/mcd-mccafe/test/3-10-0/img/product.png

http://www.mcdonalds.co.uk/content/dam/McDonaldsUK/Food/Category/CategoryImage_DrinksAndShakes.jpg

https://www.google.co.uk/url?sa=i&rct=j&q=&esrc=s&source=images&cd=&cad=rja&uact=8&ved=0ahUKEwi4wLm4uPPLAhULmBoKHQNCDTIQjRwIBw&url=http%3A%2F%2Fwww.lifehacker.com.au%2F2013%2F06%2Ftakeaway-truth-mcdonalds-angus-big-tasty-with-bacon%2F&psig=AFQjCNF8NWrp_CXudDq3qQ3mSY5EjJflPA&ust=1459806310075955

https://www.google.co.uk/url?sa=i&rct=j&q=&esrc=s&source=images&cd=&cad=rja&uact=8&ved=0ahUKEwiRoazBuPPLAhXMORoKHd-zA4IQjRwIBw&url=https%3A%2F%2Fmcdonalds.com.au%2Fmenu%2Ffilet-o-fish&bvm=bv.118443451,d.d2s&psig=AFQjCNFhlC1lQpyEzXWmvayA_auZ_H_bqw&ust=1459806332585750

https://www.google.co.uk/url?sa=i&rct=j&q=&esrc=s&source=images&cd=&cad=rja&uact=8&ved=0ahUKEwjF97LPuPPLAhXHtxoKHU9_AccQjRwIBw&url=http%3A%2F%2Fwww.mcdonaldsindia.net%2Fburgers%2Fmasala-grill-veg.aspx&bvm=bv.118443451,d.d2s&psig=AFQjCNGHJ4nlT67dr0olJG0ROZOaSarotg&ust=1459806353227512

https://www.google.co.uk/imgres?imgurl=http://www.tvadvertsuk.com/wp-content/uploads/2015/10/BigFlavourWraps.jpg&imgrefurl=http://www.tvadvertsuk.com/restaurants-and-take-away/mcdonalds/mcdonalds-big-flavour-wraps-choose-from-the-bbq-pulled-pork-one-the-hot-peri-peri-chicken-one-the-sweet-chilli-chicken-one-and-the-bbq-chicken-and-bacon-one-live-bolder-this-lunchtime-im-l/&h=360&w=630&tbnid=sNtbMzcBtsprIM:&docid=wpx_6OIQtsfooM&ei=QI8BV5WBIIa4aoWEqOAH&tbm=isch&client=safari&ved=0ahUKEwiVoenguPPLAhUGnBoKHQUCCnwQMwgdKAEwAQ